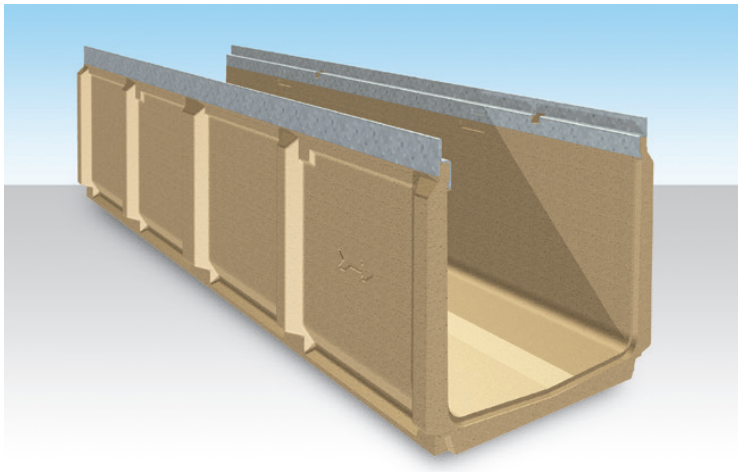
HYDRO TECHNICAL DATASHEET

EXCLUSIVE SUPPLIER OF MEA

300MM CLEAR OPENING WIDTH POLYMER CONCRETE CHANNEL WITH INTEGRATED STAINLESS STEEL EDGE RAIL

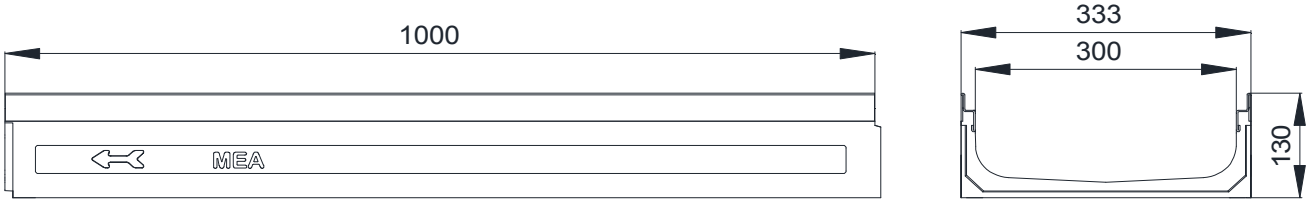


PRODUCT FEATURES

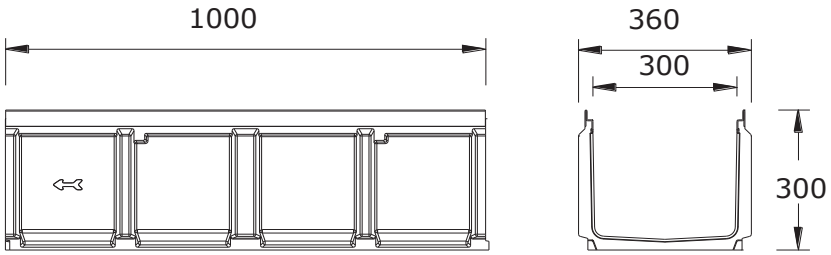
- Drainage channel made of polymer concrete with sealable channel groove. Includes integrated stainless steel edge protection.
- 300mm clear opening width.
- Available in 1 metre lengths.
- Includes connecting facility for vertical discharge outlet connector to channel or inline sump.
- Stainless steel grates available in heelguard designs. Optional grate locking mechanisms available.
- Channel accessories available including Inline Sumps & baskets.
- Interlocking joint system for an exact fiting of the channels.
- Designed for heavy duty applications up to AS3996 Class Load D210 when installed according to the MEA installation instructions.

CHANNEL DETAIL

LS3000.0/130 Channel



AS3000.0 Channel



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CHANNEL UNIT PROPERTIES

Channel Body
Polymer Concrete: Based on polyester resin
Compresion resistance: >90N/mm²
Flexural strength: >22N/mm²
Water absorption: less than 0.05%

Density: 2.1-2.3kg/dm³
Modulus of elasticity: 25-35kN/mm²
Water penetration level: 0mm
Material structure: capillary free

Fall type: Constant depth option only.
Loading Classes: A10- D210 (AS3996)
(D210 unsuitable for cross drainage of high speed roads & motorways).
Total height: 130mm or 300mm depth options as below
Total width: 333mm or 360mm see channel detail
Length: 1000mm

Edge Protection
Stainless Steel

PRODUCT LIST

	Part No.	Depth Start	Depth End	Kgs
SOLUTION SHALLOW CHANNELS				
LS3000.0/130 Shallow Channel (1)	154280	130	130	39
ACCESS CHANNELS				
AS3000.0 Constant Depth Channel (1)	712842	300	300	39
GRATES				
SS Grade #316 available on request- Contact Hydro for pricing/lead time				
LOAD CLASS A- AS3996- 10KN- POINT LOAD APPROX 330KG				
323mm Stainless Steel #304 heelguard grate- Class A	170300	NA	NA	TBC
323mm Stainless Steel #304 premium plus heelguard grate- Class A	160310	NA	NA	TBC
LOAD CLASS B- AS3996- 80KN- POINT LOAD APPROX 2670KG				
323mm Stainless Steel #304 heelguard grate- Class B	170310	NA	NA	TBC
323mm Stainless Steel #304 premium plus heelguard grate- Class B	160312	NA	NA	TBC
323mm Stainless Steel #304 premium heelguard grate- Class B	160312/7	NA	NA	TBC
LOAD CLASS C- AS3996- 150KN- POINT LOAD APPROX 5,000KG				
323mm Stainless Steel #304 heelguard grate- Class C	170320	NA	NA	TBC
323mm Stainless Steel #304 premium plus heelguard grate- Class C	160311	NA	NA	TBC
LOCKING MECHANISMS				
AS/LS3000 locking mechanisms (SS)	712829	NA	NA	0.25
END CAPS				
LS3000 End Cap (SS#304)	153581	NA	NA	TBC
AC3000 and AS3000 End Cap (SS#304)	153580	NA	NA	TBC

Notes:

(1)- Channel with connection facility for vertical discharge outlet connector diam 200mm or inline sump.

180mm from the edge to centre of outlet. For more information regarding Hydro channel grates listed above please see the Hydro grate tech data.

For more information regarding Hydro grates please see Grate Tech Data.

HYDRO CONSTRUCTION PRODUCTS

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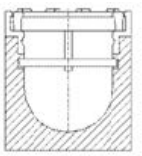
HYDRO TECHNICAL DATASHEET

EXCLUSIVE SUPPLIER OF MEA

LOCKING MECHANISM DETAIL



HYDRO STANDARD LOCKING MECHANISMS
Prevent theft, rattling and safety concerns by utilising Hydro's standard locking mechanism system. Each set includes two bars and two screws and bolts and can be easily be installed to the channel and grate by hand. One set required per metre of channel. Hydro Part number- 712829

SPECIFICATION INFO

GENERAL TEXT
The surface drainage system shall be Hydro Construction Products Drain Supreme polymer concrete channel system with integrated stainless steel edge rails as manufactured by MEA.

CHANNELS
LS3000/AS3000 channel (select channel) shall be 300mm clear opening (internal width) with an overall width of (insert here). Length 1,000mm and total height (insert here). All channels shall be interlocking with a male/female joint.

GRATES
Insert "Specification Info" from the relevant Grate Tech Data from Hydro Construction Products.

INSTALLATION
Designed for heavy duty applications up to AS3996 Class Load D210 when installed according to the MEA installation instructions.

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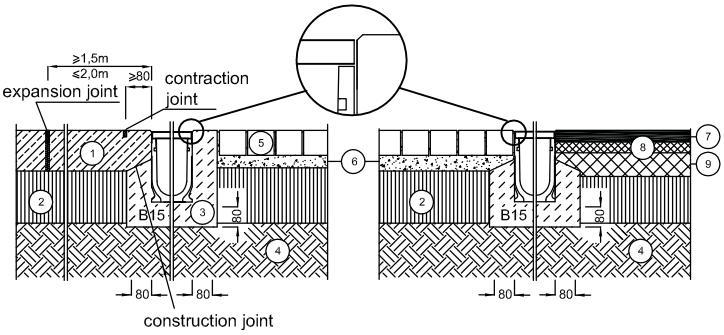
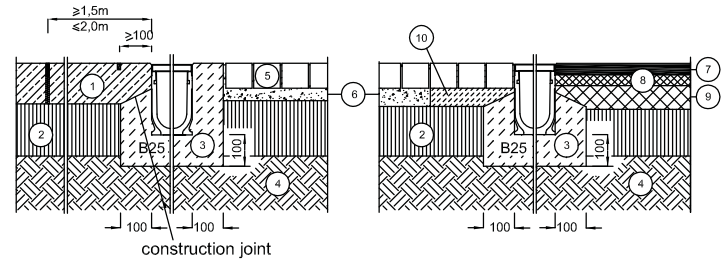
INSTALLATION EXAMPLES

EXCLUSIVE SUPPLIER OF MEA

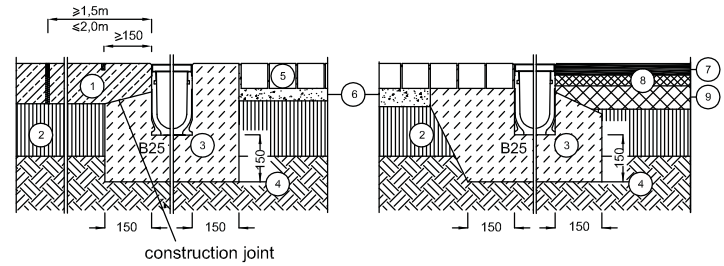
- Pedestrains
- Cyclists



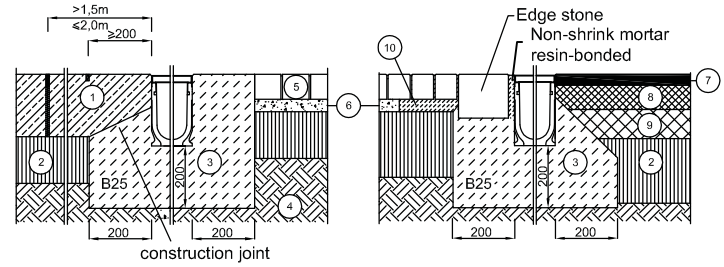
- Passenger vehicles
- Light vehicles



- Heavy commercial vehicles
- Slow moving



- Heavy commercial vehicles
- Roadways



1 Concrete
2 Sub base
3 Concrete haunch
4 Earth
5 Block paviours
6 Sand layer
7 Asphalt
8 Base course
9 Bituminous base course
10 Mortar

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